IWQ

Induction-Heated Quartz Tube Furnaces

for special processes and atmospheres
IWQ Induction-Heated Quartz Tube Furnaces

ALD IWQ induction-heated quartz tube furnaces represent a very versatile furnace concept for special requirements in high-temperature processes, such as:

- distillation of metals and alloys (In, Sn, ...)
- battery recycling (AlLi, NiCd)
- reduction of metallic oxides
- melting, degassing, casting, sintering
- treatment of ultra-pure materials in the semiconductor and fiber optics industries

where efficient heat input (by induction heating) is to be combined with special furnace atmospheres such as:

- reducing (hydrogen), oxidizing, inert gas and vacuum at temperatures up to 2000°C

ALD IWQ furnaces offer:

- outstanding resistance of the quartz tube against aggressive vapors and chemicals
- no current- or water-ducting components inside the furnace chamber
- flexible furnace design (upgradable) in a wide size range (1m diameter), with different susceptor materials and customized vacuum pump unit

All furnaces are equipped with state-of-the-art PLC process control and visualization.

You can find the addresses of all our sales partners and subsidiaries on www.ald-vt.com.